

ABSTRACT OF THE DISCLOSURE

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An optical glass for polarizing optical system having a photoelastic constant C in the range of -0.2 to +0.5 [10^{-8} cm 2 /N] with respect to a wavelength of 633 nm, the optical glass having the following composition (1):

composition (1): when represented in terms of wt.% of oxides:

SiO₂: 17.0 - 27.0 % (35.5 - 57.0 mol%)

Li₂O + Na₂O + K₂O: 0.5 - 5.0 % (0.7 - 20.0 mol%)

PbO: 72.0 - 75.0 % (39.1 - 45.0 mol%)

As₂O₃ + Sb₂O₃: 0.1 - 3.0 % (0.1 - 2.0 mol%).

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500 490 480 470 460 450 440 430 420 410 400 390 380 370 360 350 340 330 320 310 300 290 280 270 260 250 240 230 220 210 200 190 180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10